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(54) **SEATED MOTION SIMULATION AMUSEMENT PARK ATTRACTION**

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(57) **ABSTRACT**

A motion simulator ride assembly including a motion base and a rider support assembly positioned beneath and coupled to the motion base. The rider support assembly includes a plurality of rider support units each including a saddle having a leading end, a tail end, and a superior surface that may support a rider in a facedown position and a restraint system that may secure the rider onto the rider support. The restraint system includes a rotating restraint having an attachment point on the saddle, and the rotating restraint may move relative to the superior surface to move the rotating restraint from an unrestrained configuration to a restrained configuration, and the rotating restraint may abut against a posterior surface of a torso of the rider when the rotating restraint is in the restrained configuration. The motion simulator ride assembly also includes a display screen that may project a simulated environment. The display screen is positioned below the motion base.